

This listing of claims will replace all prior versions,  
and listings, of claims in the application:

1 Claim 1 (currently amended): A machine-implemented method  
2 for ~~detecting navigation bars in~~ processing a document, the  
3 machine-implemented method comprising:

4 a) segmenting, with a machine, the document into  
5 components; and

6 b) for each of the components, ~~determining, with the~~  
7 ~~machine, whether or not the component is anchor heavy,~~  
8 ~~wherein if the component is anchor heavy, it is~~  
9 ~~determined to be a navigation bar~~

10 i) analyzing anchors of the component,

11 ii) analyzing non-anchor text of the component,

12 and

13 iii) re-authoring the component, wherein the act  
14 of re-authoring the component is controlled using  
15 the analysis of the anchors and the  
16 non-anchor-text of the component.

1 Claim 2 (currently amended): The machine-implemented  
2 method of claim 1 wherein the act of ~~determining whether or~~  
3 ~~not the component is anchor heavy~~ re-authoring the  
4 component is controlled ~~is~~ based on a number of anchors in  
5 the component and a number of non-anchor words in the  
6 component.

1 Claim 3 (currently amended): The machine-implemented  
2 method of claim 1 wherein ~~the act of determining whether or~~  
3 ~~not the component is anchor heavy~~ includes

4 i) the act of analyzing anchors of the component  
5 includes determining, with the machine, a number  
6 of anchors in the component,  
7 ii) the act of analyzing non-anchor-text of the  
8 component includes determining, with the machine,  
9 a number of non-anchor words in the component,  
10 and  
11 iii) if the number of anchors is greater than a  
12 predetermined threshold and if the number of  
13 anchors is greater than the number of non-anchor  
14 words, then controlling the act of re-authoring  
15 the component to apply a special reformatting  
16 ~~determining, with the machine, that the component~~  
17 ~~is anchor heavy.~~

1 Claim 4 (currently amended): The machine-implemented  
2 method of claim 1 ~~3~~ wherein the acts of re-authoring the  
3 components of the document effectively reformat the  
4 document from a format for effectively rendering the  
5 document on a display of a first size to a format for  
6 effectively rendering the document on a smaller display  
7 ~~predetermined threshold is about three.~~

1 Claim 5 (previously presented): The machine-implemented  
2 method of claim 3 wherein the predetermined threshold is  
3 three.

1 Claim 6 (currently amended): The machine-implemented  
2 method of claim 1 wherein ~~the act of determining whether or~~  
3 ~~not the component is anchor heavy includes~~

4 i) the act of analyzing anchors of the component  
5 includes determining, with the machine, a first  
6 count to be a number of anchors in the component,  
7 ii) the act of analyzing non-anchor-text of the  
8 component includes determining, with the machine,  
9 a second count to be a number of non-anchor words  
10 in the component, and incrementing, with the  
11 machine, the second count by the number of words  
12 in an anchor having more words than a  
13 predetermined threshold to determine a non-anchor  
14 word count, and  
15 iv) if the first count is greater than a second  
16 predetermined threshold and if the first count is  
17 greater than the non-anchor word count, then  
18 controlling the act of re-authoring the component  
19 to apply a special reformatting ~~determining, with~~  
20 ~~the machine, that the component is anchor heavy.~~

Claim 7 (canceled)

1 Claim 8 (previously presented): The machine-implemented  
2 method of claim 6 wherein the predetermined threshold is  
3 four.

1 Claim 9 (previously presented): The machine-implemented  
2 method of claim 1 wherein the act of segmenting the  
3 document into components includes generating, with the  
4 machine, a parse tree based on the document, wherein a  
5 first node corresponding to a first component is a child of  
6 a second node of a second component if the first component  
7 is included in the second component.

1 Claim 10 (currently amended): The machine-implemented  
2 method of claim 9 wherein the act of ~~determining whether or~~  
3 ~~not the component is anchor heavy~~ re-authoring the  
4 component is controlled using ~~is based on~~ (i) a number of  
5 anchors in a node corresponding to the component and all  
6 descendant nodes of the node, and (ii) a number of  
7 non-anchor words in the node corresponding to the component  
8 and all the descendant nodes of the node.

1 Claim 11 (currently amended): The machine-implemented  
2 method of claim 9 wherein ~~the act of determining whether or~~  
3 ~~not the component is anchor heavy includes~~  
4 i) the act of analyzing anchors of the component  
5 includes determining, with the machine, a number  
6 of anchors in a node corresponding to the  
7 component and all descendant nodes of the node,  
8 ii) the act of analyzing non-anchor-text of the  
9 component includes determining, with the machine,  
10 a number of non-anchor words in the node  
11 corresponding to the component and all the  
12 descendant nodes of the node, and  
13 iii) if the number of anchors is greater than a  
14 predetermined threshold and if the number of  
15 anchors is greater than the number of non-anchor  
16 words, then controlling the act of re-authoring  
17 the component to apply a special reformatting  
18 ~~determining, with the machine, that the component~~  
19 ~~is anchor heavy.~~

Claim 12 (canceled)

1 Claim 13 (previously presented): The machine-implemented  
2 method of claim 11 wherein the predetermined threshold is  
3 three.

1 Claim 14 (currently amended): The machine-implemented  
2 method of claim 9 wherein ~~the act of determining whether or~~  
3 ~~not the component is anchor heavy includes~~  
4 i) the act of analyzing anchors of the component  
5 includes determining, with the machine, a first  
6 count to be a number of anchors in a node  
7 corresponding to the component and all descendant  
8 nodes of the node,  
9 ii) the act of analyzing non-anchor-text of the  
10 component includes determining, with the machine,  
11 a second count to be a number of non-anchor words  
12 in a node corresponding to the component and all  
13 descendant nodes of the node,  
14 iii) incrementing, with the machine, the second  
15 count by the number of words in an anchor having  
16 more words than a predetermined threshold to  
17 determine a non-anchor word count, and  
18 iv) if the first count is greater than a second  
19 predetermined threshold and if the first count is  
20 greater than the non-anchor word count, then  
21 controlling the act of re-authoring the component  
22 to apply a special reformatting ~~determining, with~~  
23 ~~the machine, that the component is anchor heavy.~~

1 Claim 15 (currently amended): A machine-implemented method  
2 for ~~detecting objectionable navigation bars in~~ processing a  
3 document, the method comprising:

4 a) segmenting, with the machine, the document into  
5 components;  
6 b) for each of the components, determining, with the  
7 machine, whether or not the component is a navigation  
8 bar; and  
9 c) for each of the components that is determined to  
10 be a navigation bar,  
11 i) determining, with the machine, whether or not  
12 the navigation bar is disqualified from being  
13 classified as an objectionable navigation bar,  
14 and  
15 ii) re-authoring the navigation bar, wherein the  
16 re-authoring of the navigation bar is controlled  
17 using the determination of whether or not the  
18 navigation bar is disqualified from being  
19 classified as an objectionable navigation bar.

1 Claim 16 (previously presented): The machine-implemented  
2 method of claim 15 wherein the act of determining, for each  
3 of the components, whether or not the component is a  
4 navigation bar is based on a number of anchors in the  
5 component and a number of non-anchor words in the  
6 component.

1 Claim 17 (previously presented): The machine-implemented  
2 method of claim 15 wherein the act of determining whether  
3 or not the component is a navigation bar includes  
4 i) determining, with the machine, a number of  
5 anchors in the component,  
6 ii) determining, with the machine, a number of  
7 non-anchor words in the component, and

8           iii) if the number of anchors is greater than a  
9           predetermined threshold and if the number of  
10          anchors is greater than the number of non-anchor  
11          words, then determining, with the machine, that  
12          the component is a navigation bar.

1   Claim 18 (previously presented): The machine-implemented  
2   method of claim 15 wherein the act, for each of the  
3   components that is determined to be a navigation bar, of  
4   determining whether or not the navigation bar is  
5   disqualified from being classified as an objectionable  
6   navigation bar includes determining, with the machine,  
7   whether a disqualification condition, selected from a group  
8   of disqualification conditions consisting of (a) if the  
9   component has less than a predetermined number of anchors,  
10   (b) if the component has more than a predetermined  
11   percentage of words of the document, and (c) if the  
12   component is an element of a disqualified component and  
13   that disqualified component has only navigation bar  
14   elements, exists.

1   Claim 19 (previously presented): The machine-implemented  
2   method of claim 16 wherein the act, for each of the  
3   components that is determined to be a navigation bar, of  
4   determining whether or not the navigation bar is  
5   disqualified from being classified as an objectionable  
6   navigation bar includes determining, with the machine,  
7   whether a disqualification condition, selected from a group  
8   of disqualification conditions consisting of (a) if the  
9   component has less than a predetermined number of anchors,  
10   (b) if the component has more than a predetermined  
11   percentage of words of the document, and (c) if the

12 component is an element of a disqualified component and  
13 that disqualified component has only navigation bar  
14 elements, exists.

1 Claim 20 (previously presented): The machine-implemented  
2 method of claim 17 wherein the act, for each of the  
3 components that is determined to be a navigation bar, of  
4 determining whether or not the navigation bar is  
5 disqualified from being classified as an objectionable  
6 navigation bar includes determining, with the machine,  
7 whether a disqualification condition, selected from a group  
8 of disqualification conditions consisting of (a) if the  
9 component has less than a predetermined number of anchors,  
10 (b) if the component has more than a predetermined  
11 percentage of words of the document, and (c) if the  
12 component is an element of a disqualified component and  
13 that disqualified component has only navigation bar  
14 elements, exists.

1 Claim 21 (currently amended): A machine-implemented method  
2 for processing ~~detecting objectionable navigation bars in a~~  
3 document, the machine-implemented method comprising:  
4 a) segmenting, with a machine, the document into  
5 components by generating a parse tree based on the  
6 document, wherein a first node corresponding to a  
7 first component is a child of a second node of a  
8 second component if the first component is included in  
9 the second component;  
10 b) for each of the nodes of the parse tree,  
11 determining, with the machine, whether or not the node  
12 corresponds to a navigation bar component; and



13 c) for each of the nodes that is determined to  
14 correspond to a navigation bar,  
15 i) determining, with the machine, whether or not  
16 the navigation bar is disqualified from being  
17 classified as an objectionable navigation bar,  
18 and  
19 ii) re-authoring the navigation bar, wherein the  
20 re-authoring of the navigation bar is controlled  
21 using the determination of whether or not the  
22 navigation bar is disqualified from being  
23 classified as an objectionable navigation bar.

1 Claim 22 (previously presented): The machine-implemented  
2 method of claim 21 wherein the act, for each of the nodes  
3 that is determined to correspond to a navigation bar, of  
4 determining whether or not the navigation bar is  
5 disqualified from being classified as an objectionable  
6 navigation bar includes determining, with the machine,  
7 whether a disqualification condition, selected from a group  
8 of disqualification conditions consisting of (a) if the  
9 component associated with the node has less than a  
10 predetermined number of anchors, (b) if the component  
11 associated with the node has more than a predetermined  
12 percentage of words of the document, and (c) if the node  
13 has a disqualified ancestor node and that all descendant  
14 nodes of the disqualified ancestor node are associated with  
15 navigation bar components, exists.

1 Claim 23 (currently amended): A machine-readable medium  
2 having machine executable instructions thereon, wherein  
3 when the machine executable instructions are executed on a  
4 machine, the machine:

5 a) segments the document into components; and  
6 b) for each of the components, ~~determines whether or~~  
7 ~~not the component is anchor heavy, wherein if the~~  
8 ~~component is anchor heavy, it is determined to be a~~  
9 ~~navigation bar~~  
10 i) analyzes anchors of the component,  
11 ii) analyzes non-anchor text of the component,  
12 and  
13 iii) re-authors the component, wherein the act  
14 of re-authoring the component is controlled using  
15 the analysis of the anchors and the  
16 non-anchor-text of the component.

1 Claim 24 (currently amended): A machine-readable medium  
2 having machine executable instructions thereon, wherein  
3 when the machine executable instructions are executed on a  
4 machine, the machine:

5 a) segments the document into components;  
6 b) for each of the components, determines whether or  
7 not the component is a navigation bar; and  
8 c) for each of the components that is determined to  
9 be a navigation bar,  
10 i) determines whether or not the navigation bar  
11 is disqualified from being classified as an  
12 objectionable navigation bar, and  
13 ii) re-authors the navigation bar, wherein the  
14 re-authoring of the navigation bar is controlled  
15 using the determination of whether or not the  
16 navigation bar is disqualified from being  
17 classified as an objectionable navigation bar.

1 Claim 25 (currently amended): An apparatus for detecting  
2 navigation bars in a document, the apparatus comprising:

3 a) means for segmenting the document into components;  
4 and

5 b) means for ~~determining~~, for each of the components,  
6 ~~whether or not the component is anchor heavy, wherein~~  
7 ~~if the component is anchor heavy, it is determined to~~  
8 ~~be a navigation bar~~

9 i) analyzing anchors of the component,

10 ii) analyzing non-anchor text of the component,

11 and

12 iii) re-authoring the component, wherein the act  
13 of re-authoring the component is controlled using  
14 the analysis of the anchors and the  
15 non-anchor-text of the component.

1 Claim 26 (currently amended): An apparatus for detecting  
2 objectionable navigation bars in a document, the apparatus  
3 comprising:

4 a) means for segmenting the document into components;

5 b) means for determining, for each of the components,  
6 whether or not the component is a navigation bar; and

7 c) means for ~~determining~~, for each of the components  
8 that is determined to be a navigation bar;

9 i) determining whether or not the navigation bar  
10 is disqualified from being classified as an  
11 objectionable navigation bar, and

12 ii) re-authoring the navigation bar, wherein the  
13 re-authoring of the navigation bar is controlled  
14 using the determination of whether or not the  
15 navigation bar is disqualified from being  
16 classified as an objectionable navigation bar.

1 Claim 27 (new): The machine-implemented method of claim 1  
2 wherein the acts of re-authoring the components of the  
3 document effectively reformat the document from HTML to  
4 WML.

1 Claim 28 (new): The machine-implemented method of claim 15  
2 wherein the acts of re-authoring the components of the  
3 document effectively reformat the document from HTML to  
4 WML.

1 Claim 29 (new): The machine-implemented method of claim 21  
2 wherein the acts of re-authoring the components of the  
3 document effectively reformat the document from HTML to  
4 WML.

1 Claim 30 (new): The machine-implemented method of claim 3  
2 wherein the special reformatting reduces a number of  
3 display screen lines on which navigation bar information is  
4 presented.

1 Claim 31 (new): The machine-implemented method of claim 6  
2 wherein the special reformatting reduces a number of  
3 display screen lines on which navigation bar information is  
4 presented.

1 Claim 32 (new): The machine-implemented method of claim 3  
2 wherein the special reformatting replaces a navigation bar  
3 with a link to the navigation bar.

1 Claim 33 (new): The machine-implemented method of claim 6  
2 wherein the special reformatting replaces a navigation bar  
3 with a link to the navigation bar.